

FIG. 1A
(Prior Art)

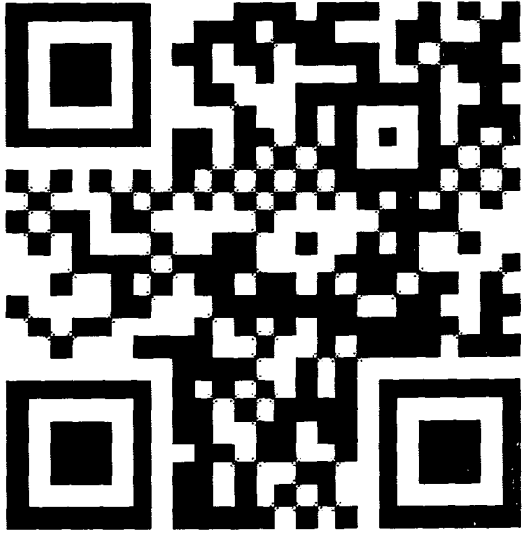


FIG. 1B (Prior Art)

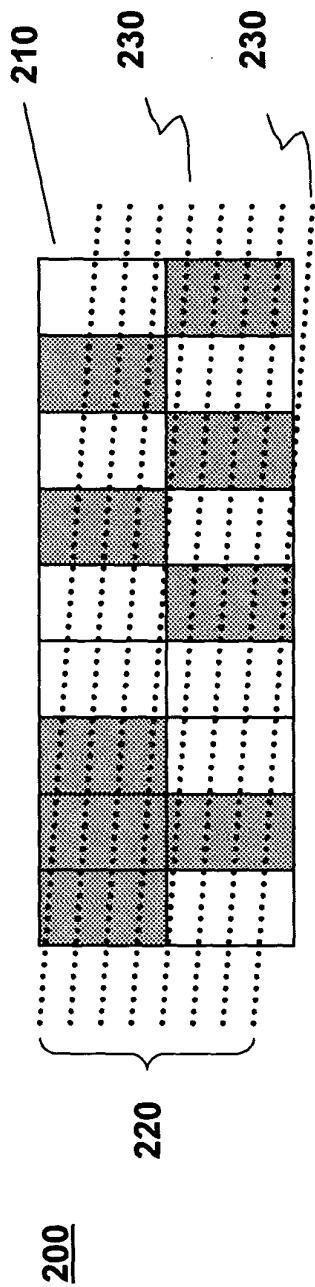


FIG. 2

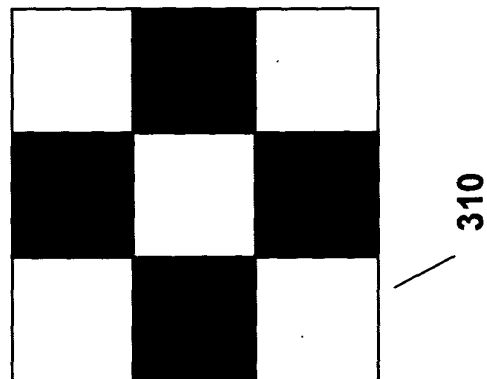
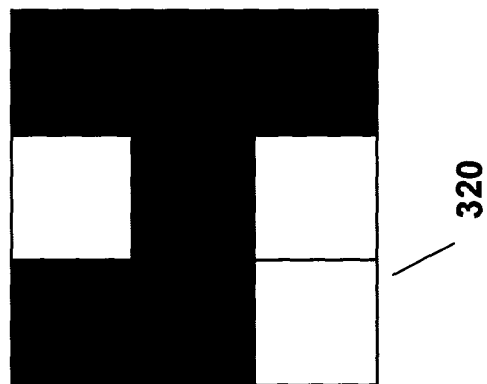


FIG. 3



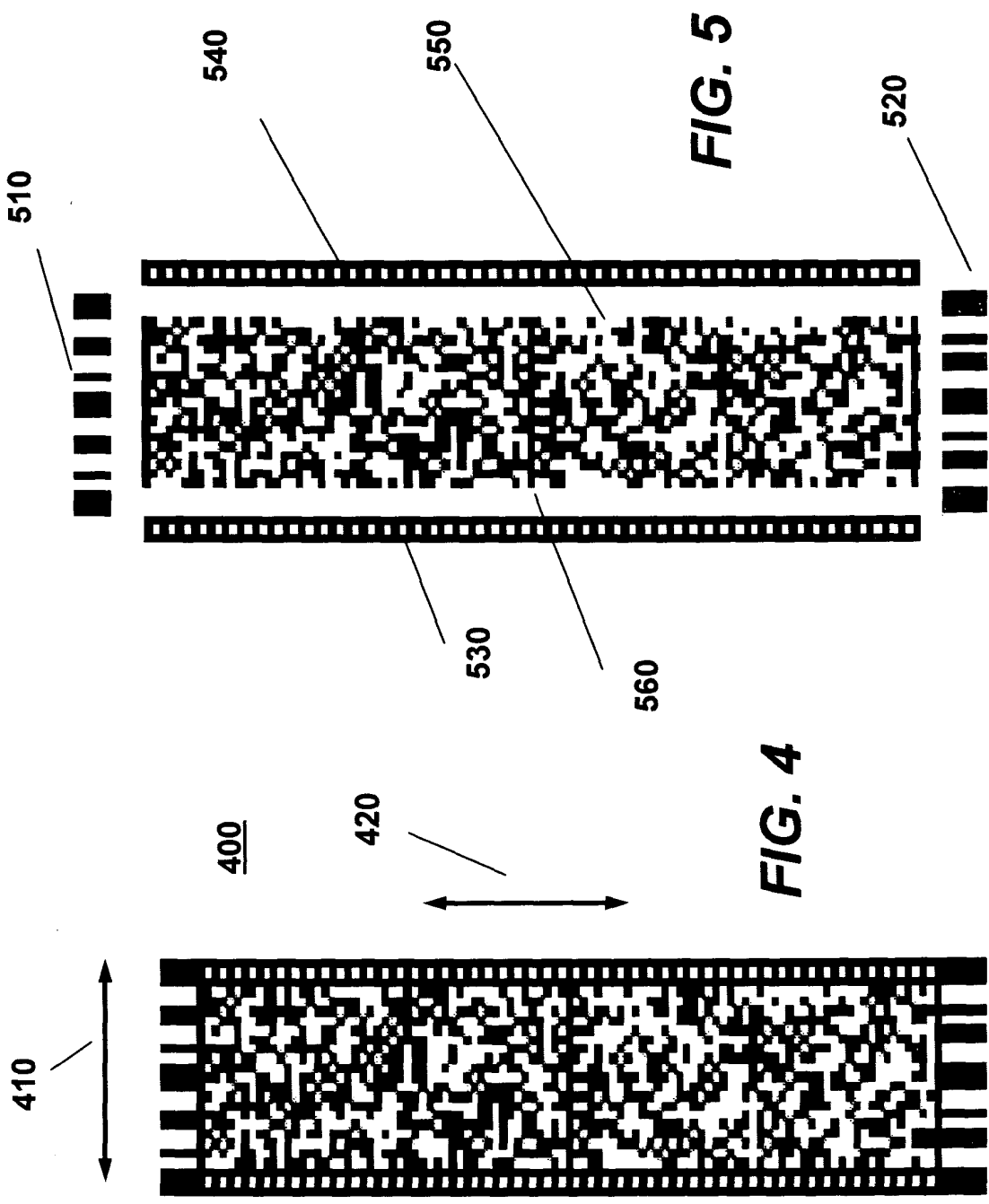
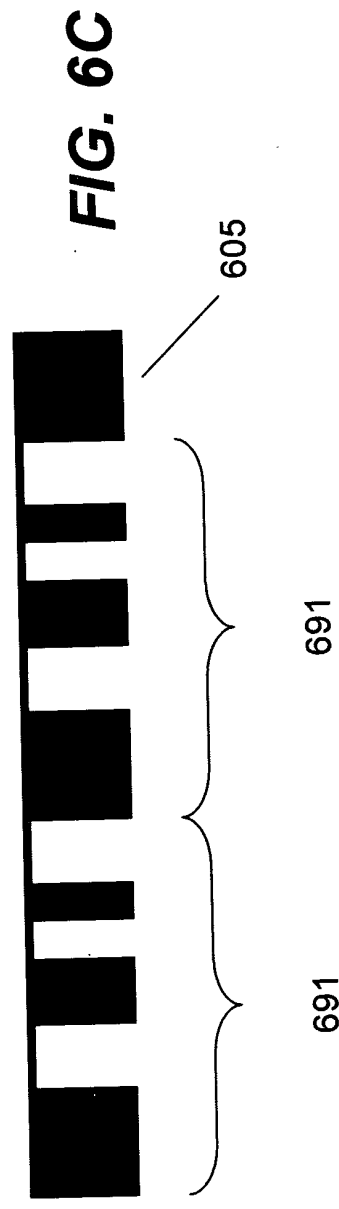
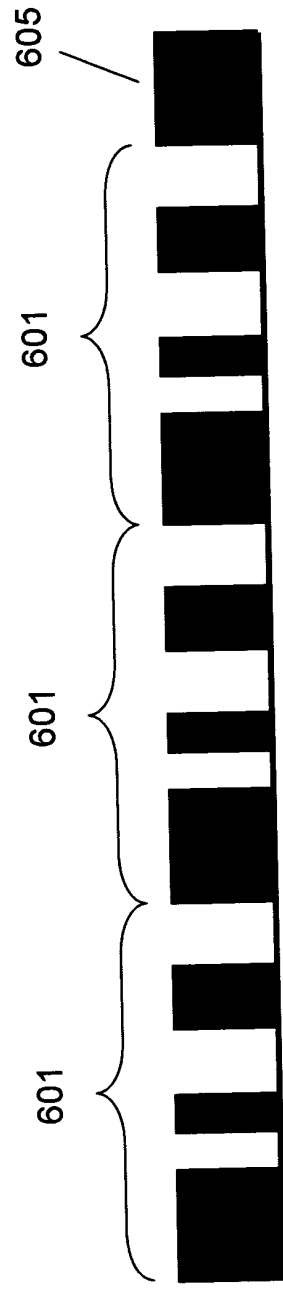
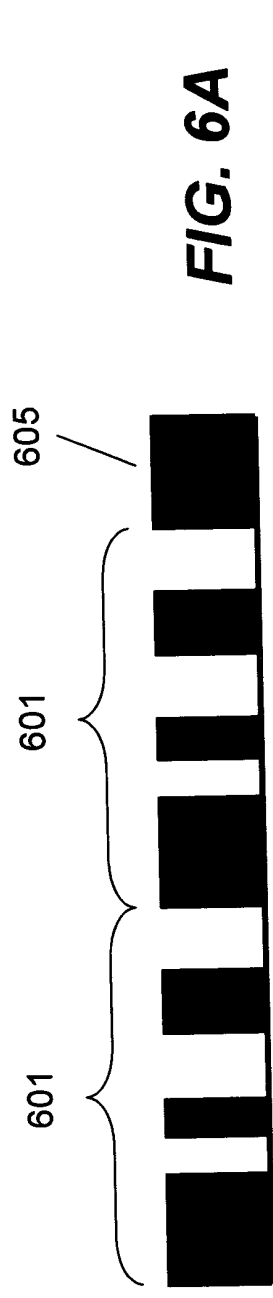
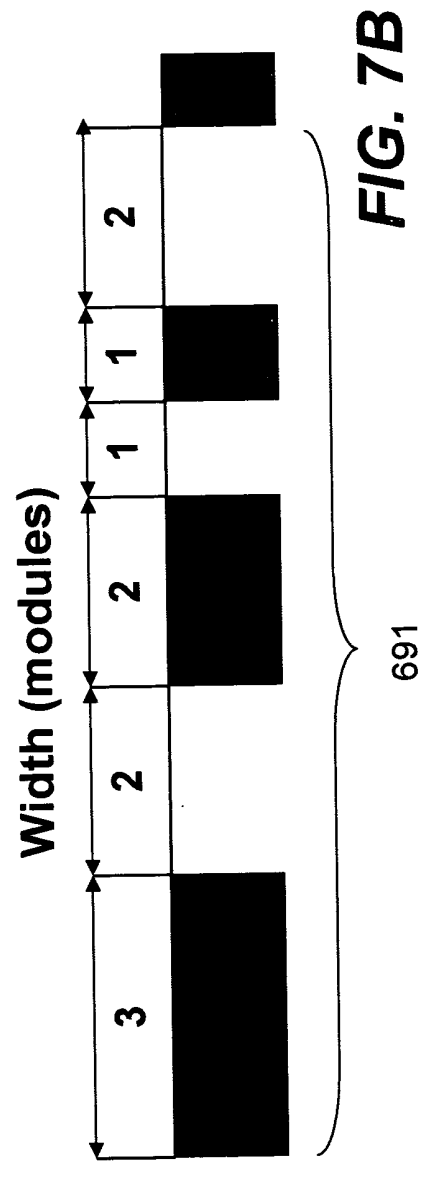
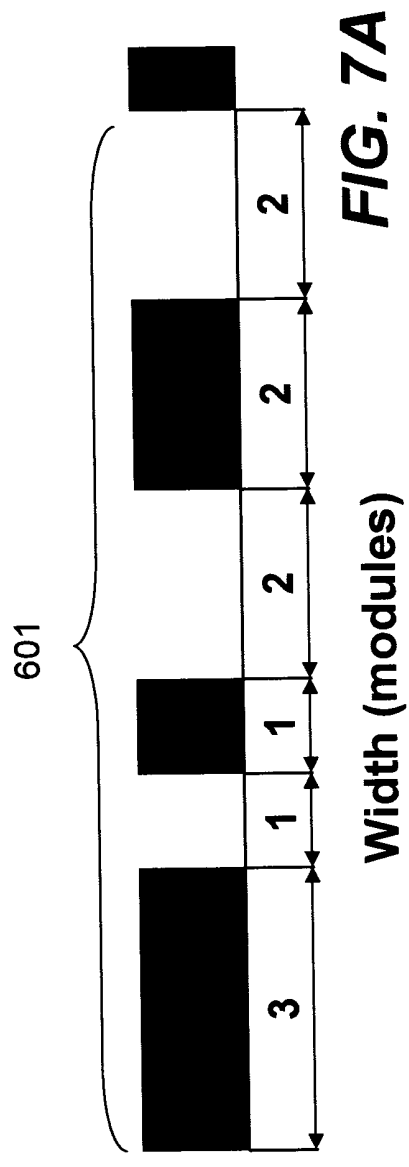


FIG. 5

FIG. 4





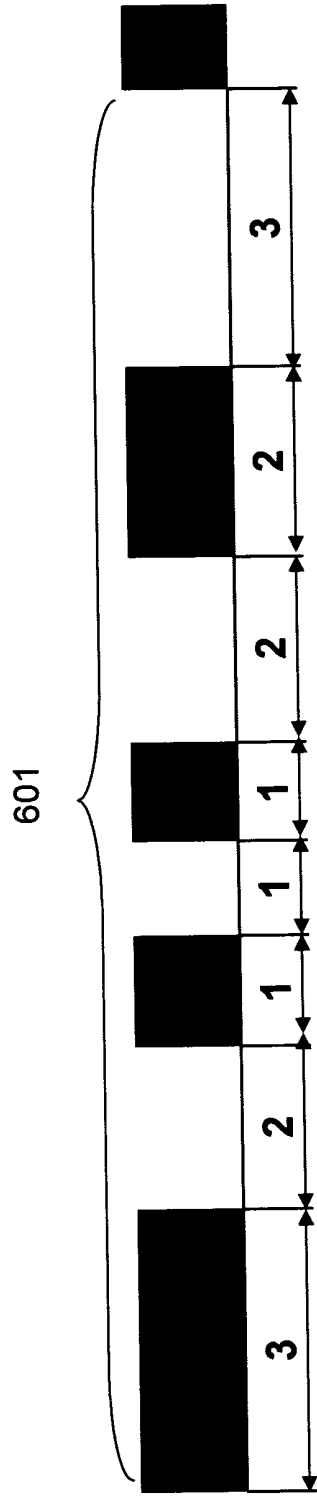


FIG. 7C

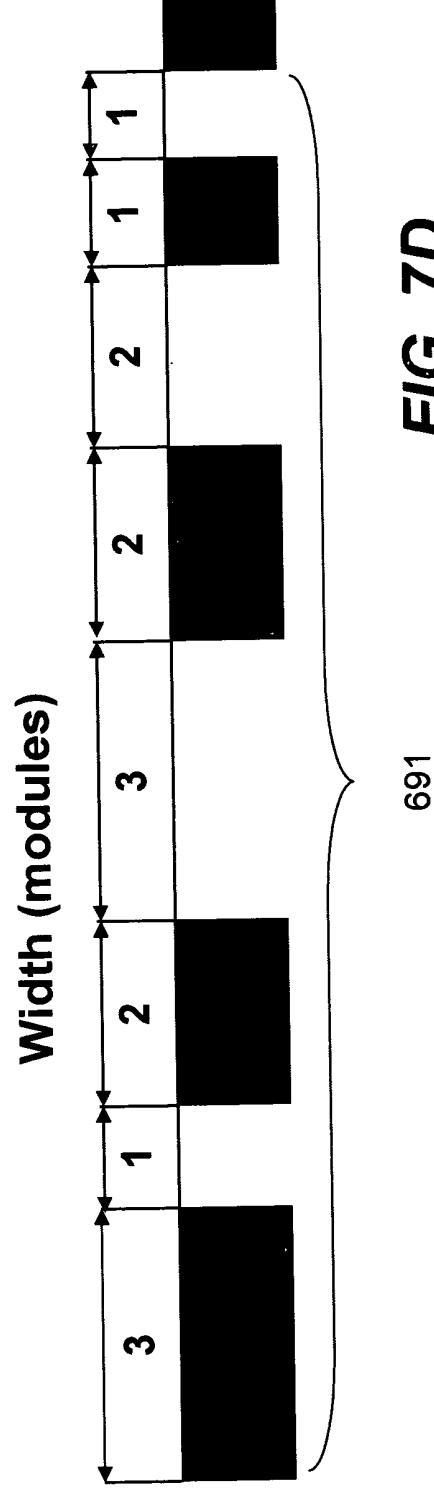


FIG. 7D

Error Correction Level	Data Codeword	Error Correction Codeword	Max. Allowable Error
1	119	8	4
2	111	16	8
3	95	32	16
4	63	64	32

FIG. 8

A1	A2	A3	A127
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B1	B2	B3	B127
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C1	C2	C3	C127
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A1	B1	C1	A2	B2	C2	A127	B127	C127
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FIG. 9A

a4	a3	a2	a1	a0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

b4	b3	b2	b1	b0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

c4	c3	c2	c1	c0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

FIG. 9B

A3	A2	B3	B2	D3	D2	E3	E2	G3	G2	H3	H2	J3	J2	K3	K2	M3	M2	N3	N2	
A1	A0	B1	B0	D1	D0	E1	E0	G1	G0	H1	H0	J1	J0	K1	K0	M1	M0	N1	N0	
C3	C2	C1	C0	F3	F2	F1	F0	I3	I2	I1	I0	L3	L2	L1	L0	O3	O2	O1	O0	

FIG. 9C

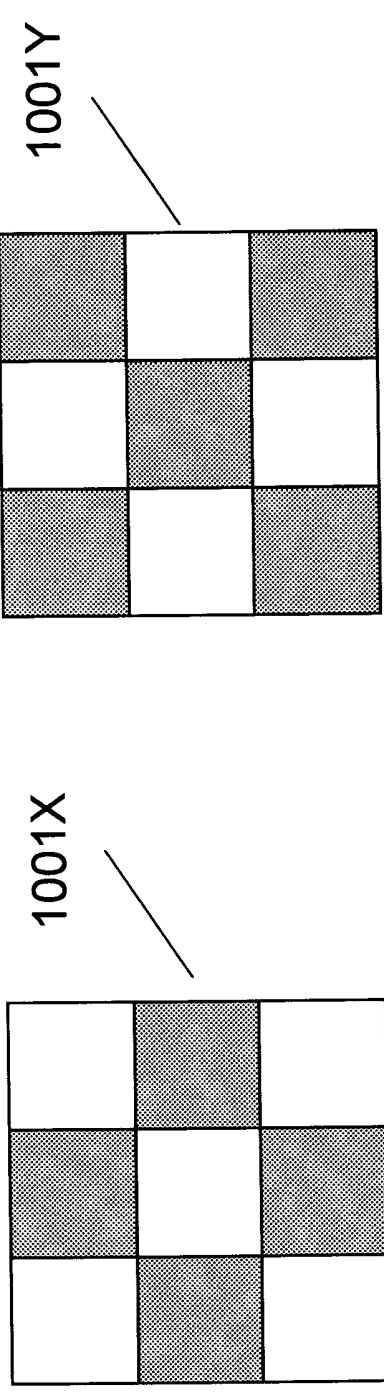


FIG. 10A.1

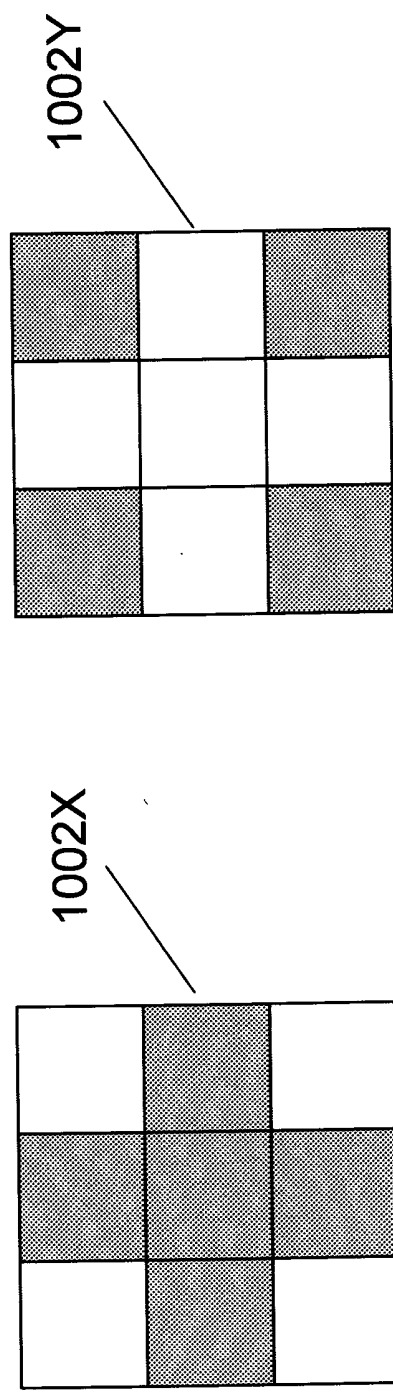


FIG. 10A.2

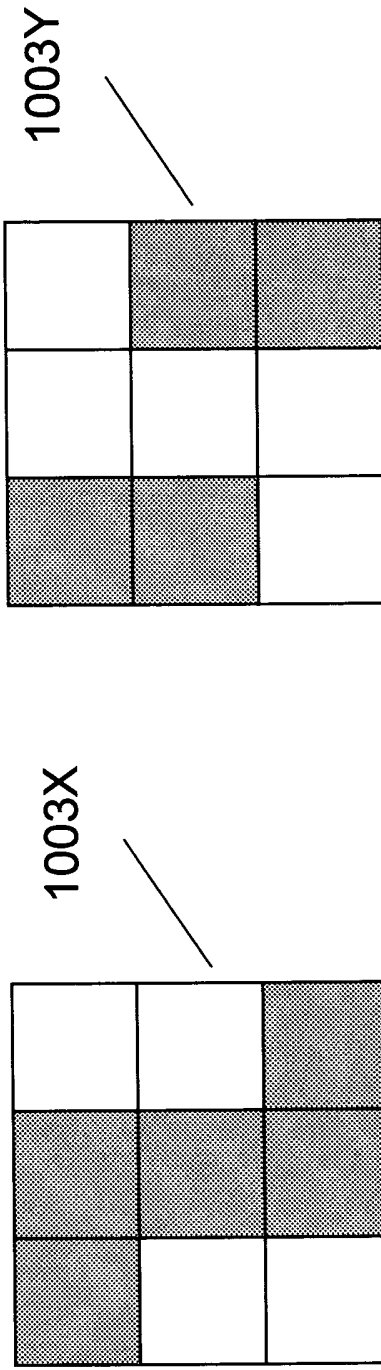


FIG. 10A.3

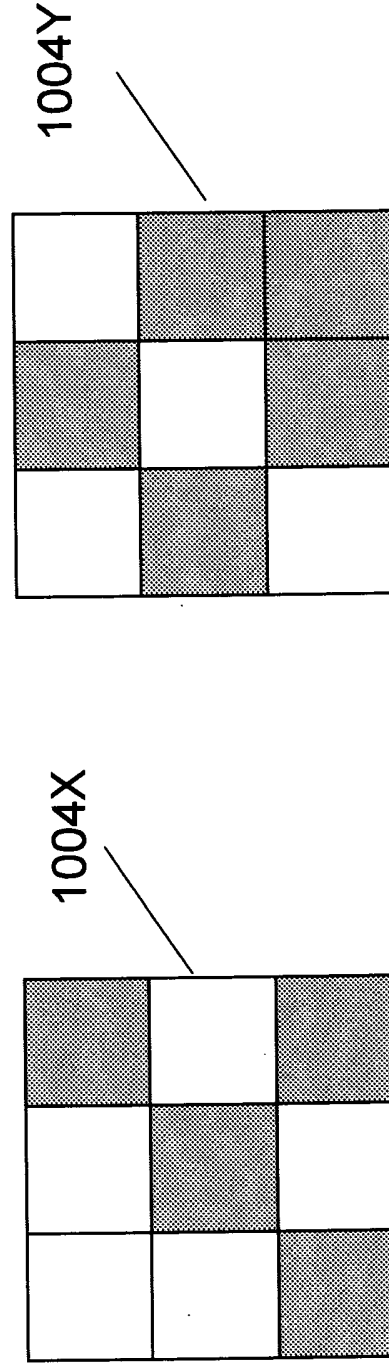


FIG. 10A.4

X	Y	X	Y	X
Y	X	Y	X	Y
X	Y	X	Y	X
Y	X	Y	X	Y
X	Y	X	Y	X

FIG. 10B

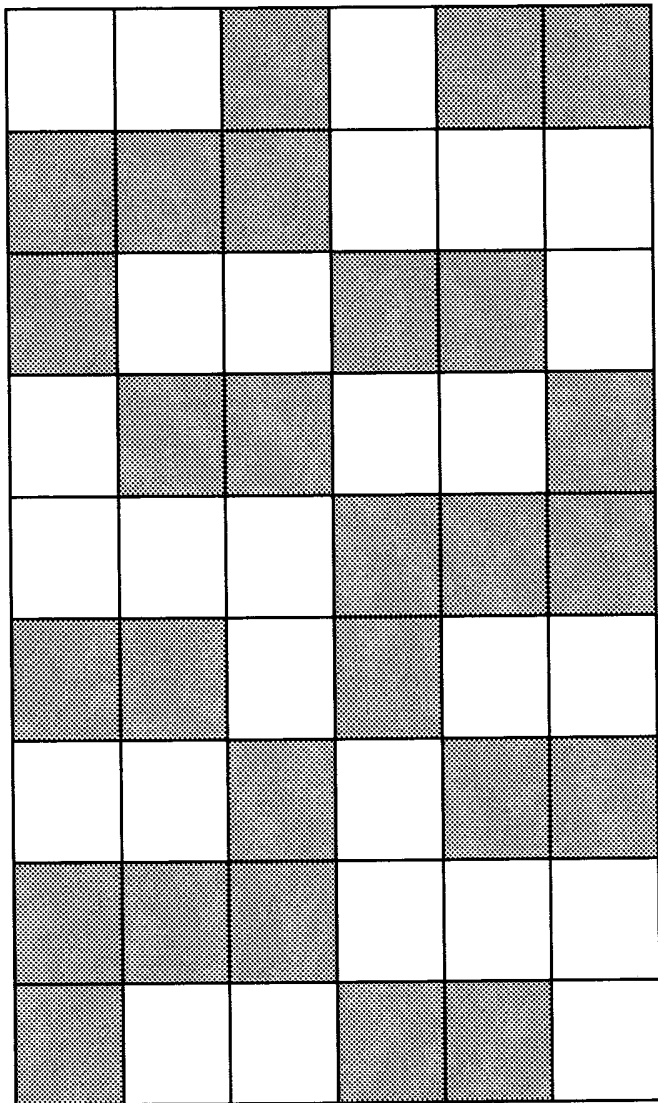


FIG. 10C

Process of Encoding 1100

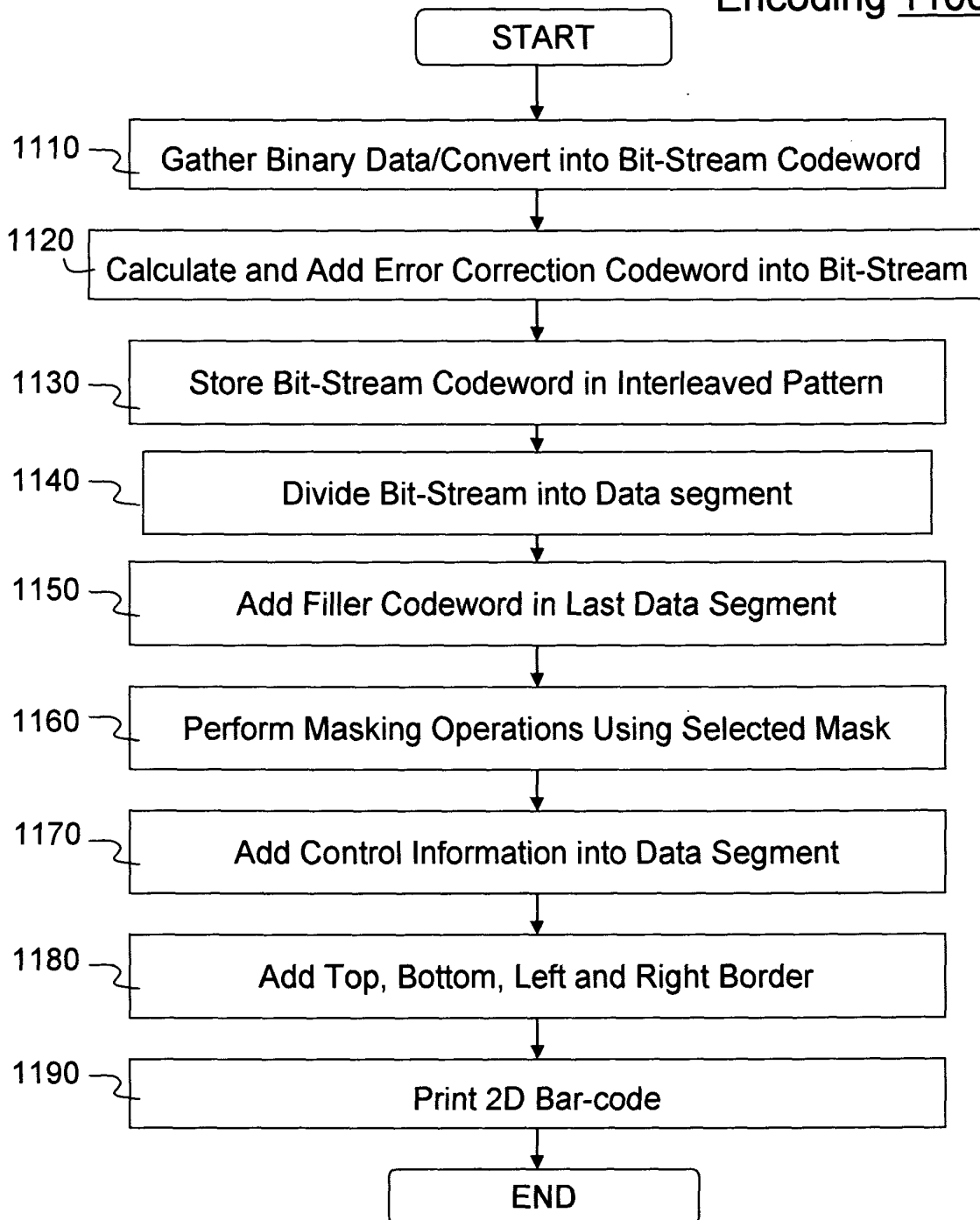


FIG. 11

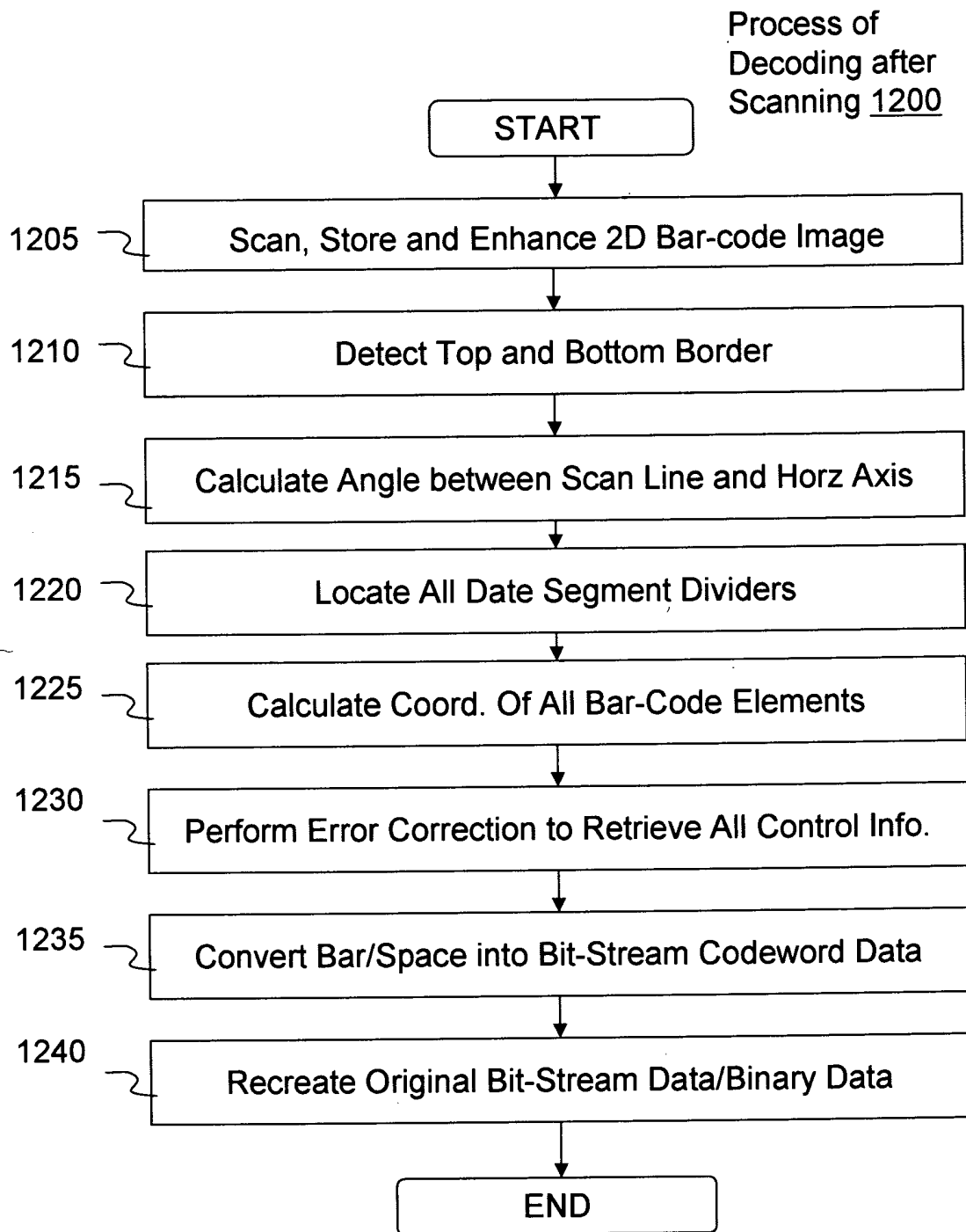


FIG. 12A

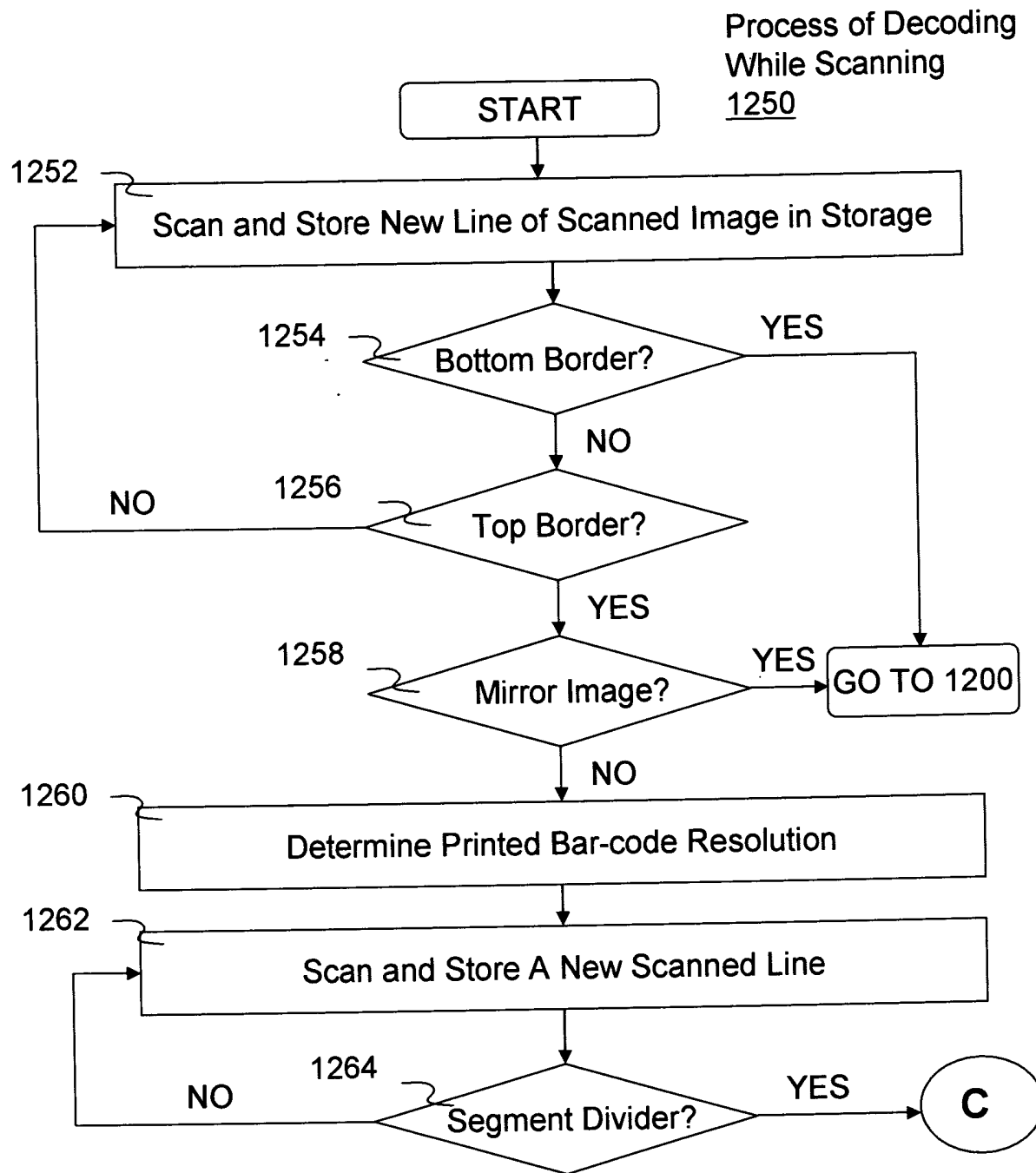


FIG. 12B

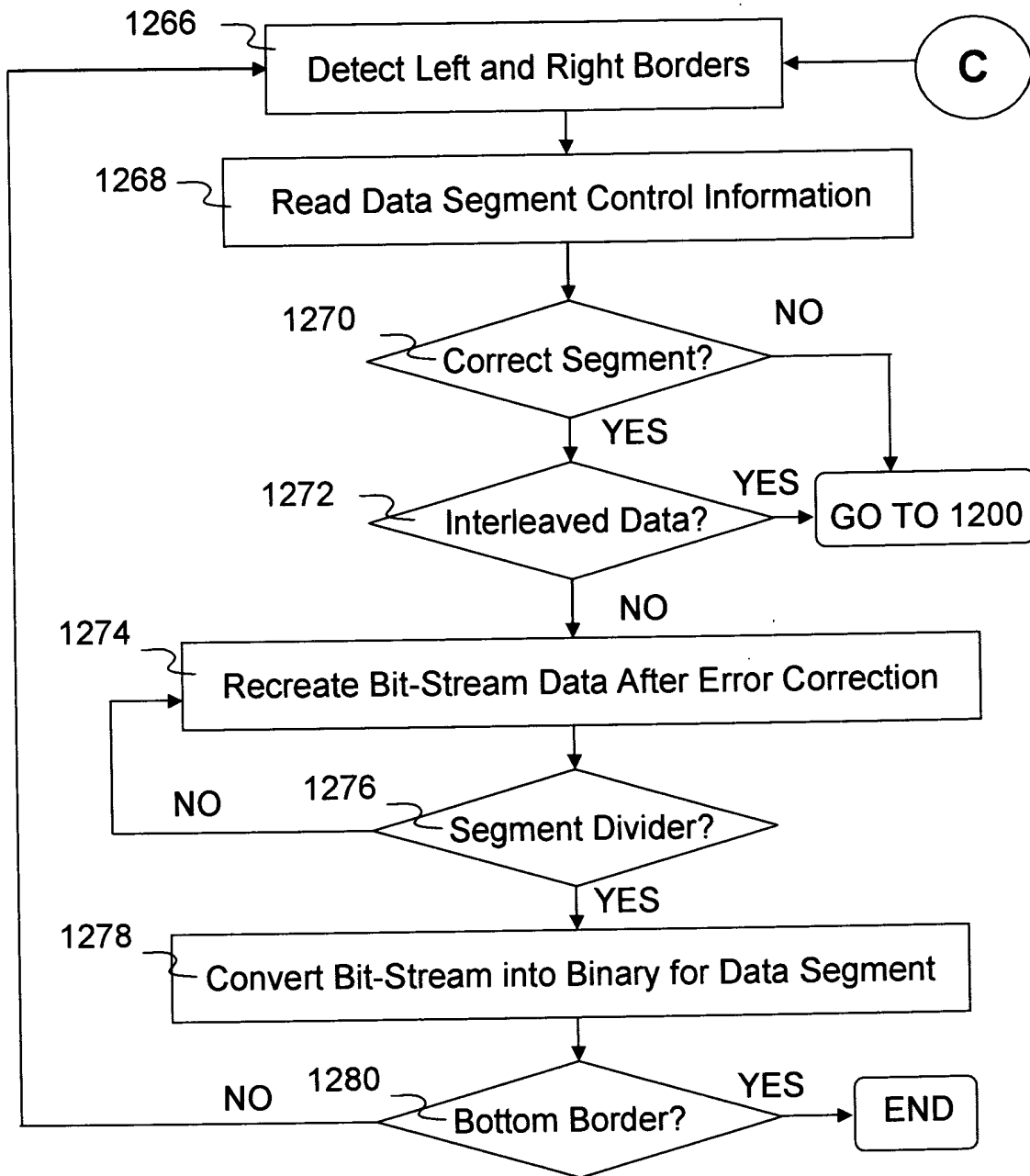


FIG. 12C

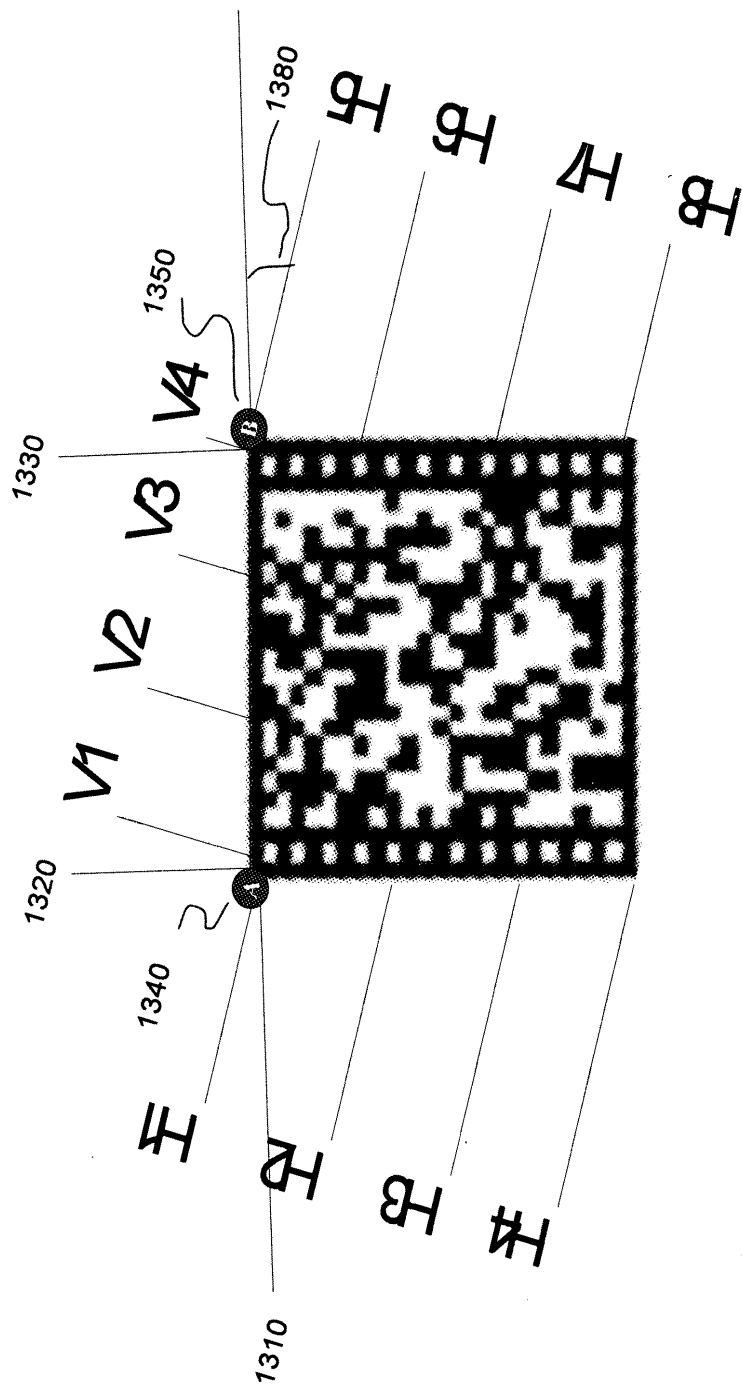


FIG. 13



FIG. 14A

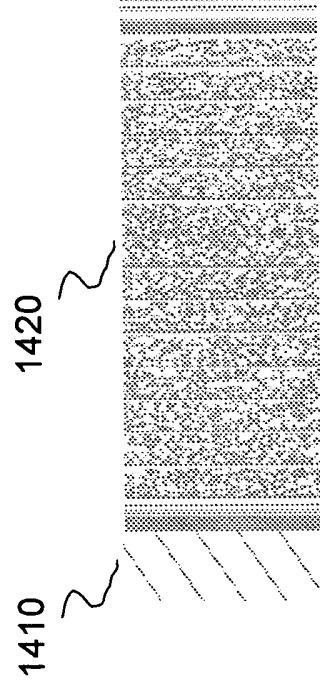


FIG. 14B

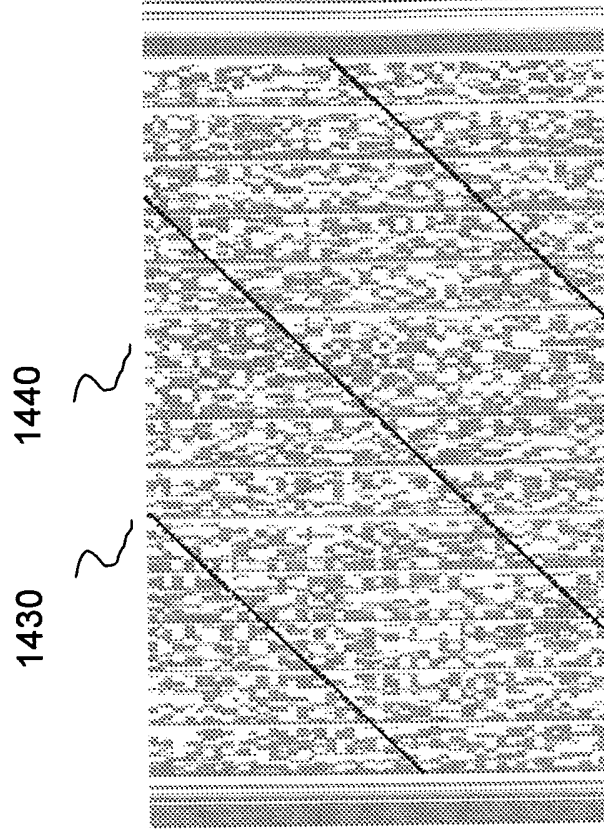
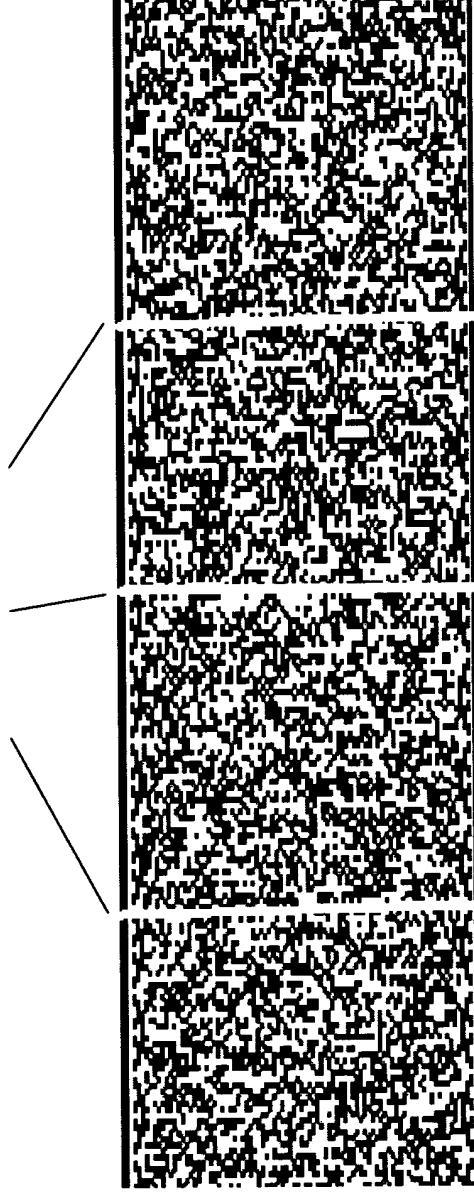


FIG. 14C

1520



1510

FIG. 15

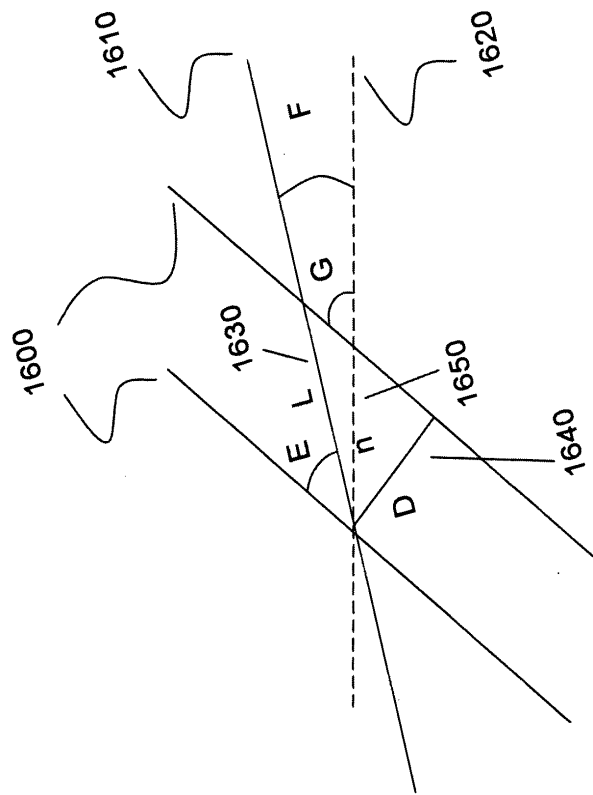


FIG. 16

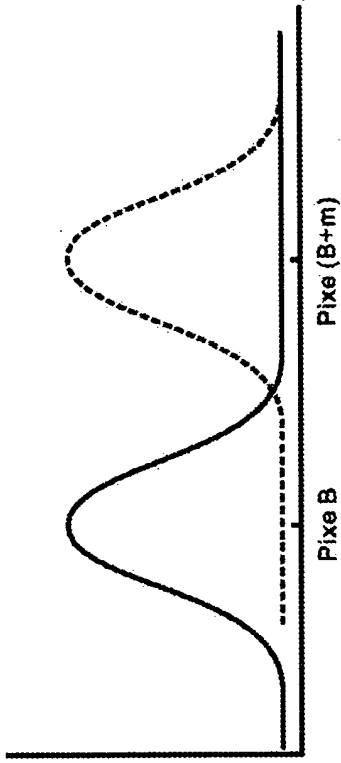


FIG. 17A

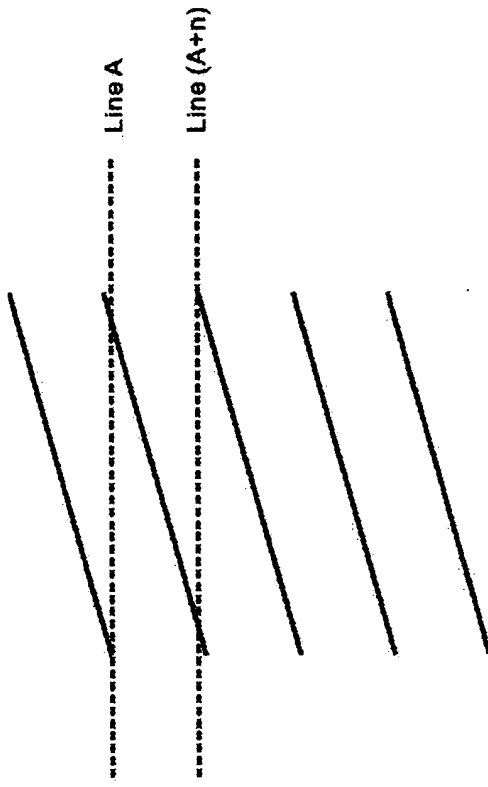


FIG. 17B

8	12	408 pixels	12	8
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FIG. 18

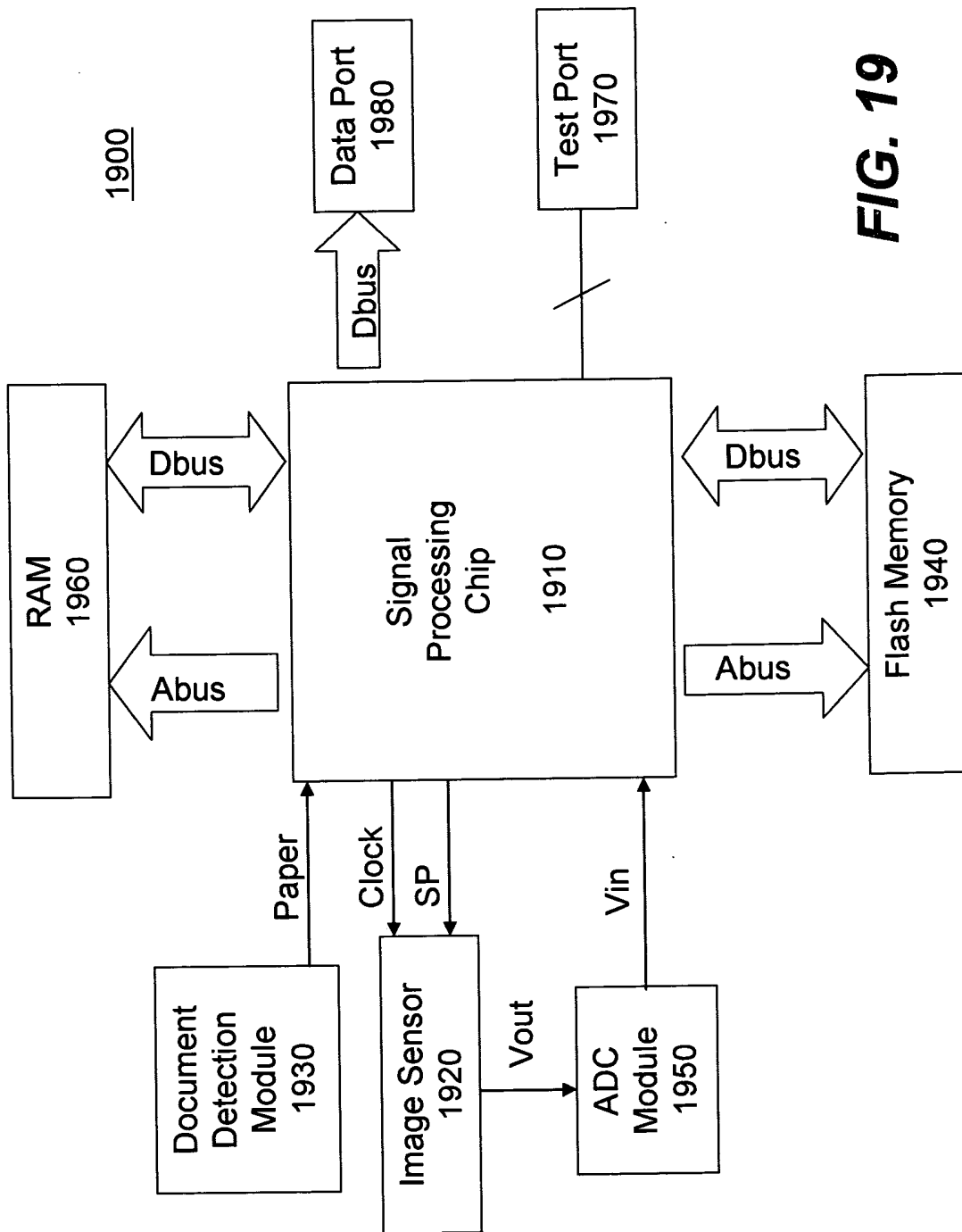


FIG. 19